PATENT

REMARKS/ARGUMENTS

Claims 1, 4-6,9,10,13,15 and 17-29 were pending, new claim 30 is entered herein, accordingly, claims 1, 4-6,9,10,13,15 and 17-30 are now pending. 1, 4-6,9,10,13,15 and 17-29 were rejected under 35 USC§102(b) as anticipated by Baldwin.

The Examiner commented about the scope of "A computing device," "to establish a network connection," "a plurality of attributes," and "a set of rectangular clip segments."

In response, to the "computing device," it is noted that it is the operating environment that is portable in embodiments of the present invention. In other words, the operating environment may be used on a portable device, such as a PDA, a desktop computer, or the like.

In response to the "network connection," as noted above, embodiments of the present invention may be applied to both wireless and wired devices.

In response to the "attributes" issues, the Examiner will please note that the claims have been amended to recite types of "graphic object" attributes, including color, font, clip region, and clip segments in various claims. Additionally, an object-oriented programming schema is described for the "graphic objects" and used in various embodiments of the present invention.

In response to the "set of rectangular clip segments," the Examiner will please note that the claims have been amended to recite that the set of rectangular clip segments attributes in "graphic objects" describe from 1 to 4 segments.

Numerous amendments have been made to the pending claims, merely for stylistic preferences.

Other amendments have been made to better describe the claimed invention. These amendments are discussed below. Distinctions of the independent claims 1, 6, 18 and 20 over Baldwin can be seen in the following representative claim language of claim 1:

a memory storing graphic objects having a plurality of attributes, wherein

attributes from the plurality of attributes are selected from a group

consisting: color, font, wherein each graphic object represents a drawing

surface of the plurality of drawing surfaces,

wherein the plurality of attributes of the graphic objects also includes the

set of rectangular clip segments.

As can be seen in the present patent disclosure, Fig. 12, and text in ¶87-¶96

describe embodiments as being implemented in an object-oriented programming schema. More

specifically instances of "graphic objects" represent the drawing surfaces in such embodiments.

Further, under the claimed embodiment, "attributes" of the "graphic objects" represent properties

of the drawing surfaces. As can be seen in the claim language underlined above, some attributes

include "color" and / or "font." As also can be seen in the claim language, other attributes of

graphic objects include the set of rectangular clip segments. In other words, each object

encapsulates data that specifies what portions will be drawn. Additionally, as illustrated in Fig.

12, each graphic object knows how to call appropriate draw functions, via drawShape().

Advantages of this object-oriented approach include that each instance of a

graphic object (for example, each drawing surface) is responsible maintaining private attribute

data specifying which portions will be drawn. For example, if the object instance knows it is

partially occluded, the object instance knows how much of itself to draw by referring to its own

clipSegments attributes. In cases where the occlusion is modified, the graphic object would

simply modify the clipSegment attributes stored by the instance.

Additionally, as cited in the patent application, the object oriented schema

described in various embodiments are designed for embedded computing devices, which do not

have accelerated display Hardware. ¶13, lines 1-3. In contrast, Baldwin discloses a

sophisticated graphics hardware 3D image rendering system. Further Baldwin does not disclose

anything about object-oriented programming objects and attributes of instances of objects, as

claimed above.

Appln. No. 09/931,576   <u>PATENT</u>
Amdt. dated June 17, 2005
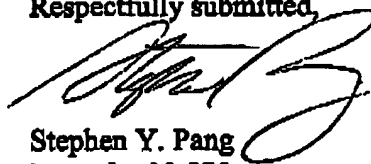Reply to Office Action of December 17, 2004

   Accordingly, for at least the above reasons, claims 1, 6, 18 and 20 are asserted to be allowable. Dependent claims 4-5, 15, 29 and 30; dependent claims 9 and 17; dependent claims 10, 11 and 19; and dependent claims 21-28, dependent upon independent claims 1, 6, 18 and 20, respectively are also asserted to be allowable for substantially the same respective reasons, and more particularly for the specific limitations they recite.

CONCLUSION

   In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

   If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at (650) 326-2400.

             Respectfully submitted,

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